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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/893,194	06/27/2001	Pradeep Kumar Subrahmanyan	1934.105US1	3918
7590 08/23/2005			EXAMINER	
Derek J. Berger			CAO, ALLEN T	
Seagate Techn		ART UNIT	PAPER NUMBER	
Intellectual Property Dept. COL2LGL 389 Disc Drive			2652	· · · · · · · · · · · · · · · · · · ·
Longmont, CO	80503		DATE MAILED: 08/23/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Application No. Applicant(s)				
		09/893,194	SUBRAHMANYAN, PRADEEP KUMAR			
		Examiner	Art Unit			
		Allen T. Cao	2652			
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
THE - External efter - If the - If NO - Failu Any I	ORTENED STATUTORY PERIOD FOR REPL'MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period or re to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be till y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	mely filed ys will be considered timely. the mailing date of this communication. ED (35 U.S.C. § 133).			
Status						
1)⊠	1) Responsive to communication(s) filed on 16 May 2005.					
· —		s action is non-final.				
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Dispositi	ion of Claims					
4)⊠ 5)⊠ 6)⊠ 7)⊠	Claim(s) <u>1-18</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) <u>1-8</u> is/are allowed. Claim(s) <u>9,17 and 18</u> is/are rejected. Claim(s) <u>10-16</u> is/are objected to.					
Applicati	ion Papers					
9) The specification is objected to by the Examiner.						
10)	10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.					
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
11)	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority ι	ınder 35 U.S.C. § 119					
12)☐ a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureau See the attached detailed Office action for a list	s have been received. s have been received in Applicat rity documents have been receiv u (PCT Rule 17.2(a)).	ion No ed in this National Stage			
Attachment(s)						
	e of References Cited (PTO-892)	4) Interview Summary				
3) 🔲 Inforr	e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate Patent Application (PTO-152)			

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1. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 9 and 17-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Aruga et al (US. 5,041,935).

Aruga et al discloses an information handling system (disk drive) having a base (figure 24(a), the base of the housing); a yoke 1a (figure 24(a)-(b)) attached to the base; a coil (2 and 3) attached to the yoke; a storage medium 37 attached to the base; and an actuator assembly OM (see figures 24(a) and 24(b)) having an opening therein (figure 24(b) shows an opening which contains central shaft 5 and bearings), the actuator assembly further including at least two magnets (6-8) positioned "near" the opening, the magnets (6-8) and coil (2-3) forming a voice coil motor, the actuator assembly capable of swinging through an arc and rotatably attached to the base about the yoke 1a, all as set forth in claim 9.

Regarding claim 17, Aruga et al inherently discloses that the voice coil motor produces a first moment about a pivot and a second moment about the pivot, the first moment being substantially offset by the second moment. The actuator assembly having equally attached magnets 6 and 8 on the both sides (left (first moment) and right (second moment)), it swings left and right with respect to the same two coils (2 and 3

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are substantially same located at both sides of the actuator assembly); therefore, it is inherently produces a first moment about a pivot and a second moment about the pivot, the first moment being substantially offset by the second moment.

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Regarding claim 18, Aruga et al inherently discloses that the voice coil motor is a true torque motor because it creates torque through only permanent magnets and coils.

- 4. Claims 10-16 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 5. Claims 1-8 are allowed.
- 6. This is a NON-FINAL Office Action.
- 7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Allen T. Cao whose telephone number is (571) 272-7569. The examiner can normally be reached on Mon Thurs (7:30 6:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoa T. Nguyen can be reached on (571) 272-7579. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.



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Business Center (EBC) at 866-217-9197 (toll-free).

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Allen Cao

Primary Examiner

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August 21, 2005